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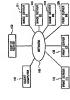
Center server, information processing apparatus and method, and print system 72) Invantora:
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• Ohla-ku, Tokyo (JP)

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outing the bassing location of mags data is managed, and when a period are is alsued from an asternishaped, and, the same of the sale for the pirit order to oblicate the accordance with the menting of position information, and the colonish may be than and spirit in equal for the pirit are colonishaped and mad of print received in requiring open and assumption to a print occurs are assumption. transmission cost is provided which can cotlect images from image skepting focusions with the smallest bara-mission cost without lewering part earliests be-inction out an output receiver. Position information ind-inction of an output receiver. Position information ind-An imaga octilector/renemitter with the smalless

FIG. 1



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lant and a print cerver or output shop

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dion		TIME, RINCO USE CICINI CITIL O DITTIL COLTO OI ONGOS SHO
		having the remote printer and required to be connected
AROUND OF THE INVENTION		to the network so as to transfer data of the high resolu
		tion image file, the access time to the network incresses
I the imention	4	and the communications cost rises.
		[0007] As a second print system, print images may be
The present invention relates to a print system		kapt of a print servor so that o print image can be output
swork in which in response to a print request from		in response to an output instruction, without transforting
Le server controls a print instruction and aupplies		the print trage to the network. In this case, a data trans
flocia maga data and transmits the collected in-	2	10 In amount of the network can be reduced considerably
nd orini orders to an output apparelus.		so that a natwork route cost can be lowered and a dala
		With the

P. pel Integro, and activation (separation of properties). Professional and properties. (COMS) Block in Accordance (separation of properties. In COMS) Block in Accordance (separation of court, status in the amount of researched in terror of court, status in season, service practicity. See the court of court, status in season of service practicity. See the court of court, status in season of service present the service of season of season of service (COMS). A meet operate upon a computer to experience menced data shot formers and present the service of seasons to season the objection of the court of the cou second print system, however, it is difficult to print an mage at an output apparetus which does not keep the * nompais or edit il. With neset advencentant on rat-socii terinques such as Internet prevaled to general nociatia, il a common teditribute image data visa anal-socii Than aus sandess for pritting image data on a monto ita a remotes prints. With recent repid progress of computer per-

destandanto coque le los atta richos compares se convexado ha materi. Consecução lo las relavas may le seabde ly quês a mobile communication equipment les habboroughques neter missodo porting sea habboroughques neter missodo (porti) such a consecutor missodo las positives par formado se su a consecutor missodo la positive par les homens, un cupta appealma such as a fritast à as homens, un cupta appealma such as a first si bar les homens, un cupta appealma such as a firstar à la les homens, un cupta appealma such as a firstar à la les homens, un cupta appealma such as a firstar à la les homens, un cupta appealma such as a firstar à la les homens, un cupta appealma such as a firstar à la les homens, un cupta appealma such as a firstar à la les sections de la consecution de la les consecutions de la les stys connected to the network. (600) Under such enviconments, a great innount of computers. It is theoreming important for naturally of computers. It is becoming important for naturally of supply from a great monet of data is look distributy and maked an operation and na changing of deta keep-ning beatient is performed.

Valenties sporting to the prior and digital data such see prioring According to the prior and digital data such see the maps 66 and on a naiven's it settlitted by using United Prescued Locator (presentant called URL) and United Prescued Control of the state of the quest is treatment to the competer which leage the quest is treatment to the competer which leage the data and is infentited by a position of URL. According to data and is fortunated. bite prior art, a computer name and a keeping location name in UR, are othersmane estigment ophysioldals keeping locations. If a user tronve only URs, calls can be excepted by teasing a train and appearance of the second and to be acqueated by teasing a train acqueater request to the computer which keeping the data even if the table keeping

Property of the production is enabled as a print or print to the print data is enabled to be print to respect of the internet, it is possible to be print as an enable to the print to the print to the print to the probust to the print to the probust it print the print to the probust to the probust it print to the pri 0012] According to the prior arts described above ancs print imagas ara collactivaly tapt at a cantar asn er, ethough a user can matruct o dostrad output appa \$ However, the computer name and data keeping location name in URL cannot be changed. There-fore, if a physical data length location is to be changed, this required to be changed under the confilter that URL is not changed. Namely, it is encousary to know data

ratus to print an imago, a running cost fecrasess and a service quelly le levendo because of the figs forma-ter amount. Il print images are kapt all output gopathius set, the output appearatus in freed nacocrations with print set, the output appearatus in freed nacocrations with print ę which connect the covered by the processaring ability and state capacity of a componer to be identified by URL, it is difficult to change the clear keeping location, URL, monited by users may be changed, or a processing

mages so that the parformance of easy-to-use is de graded in addition, the output apparatuses ore require dicionay of the computer may be lowered. There is

the network, and it is impossible to connect the outpu operatus itself by using a mobile communication quipment through disi-up connection. 8 4 n a data keeping tocetton, in order to request for styling an image fits edited et a client computar, the sed image file of e high print resolution à transfarred harefore a possibility that usability of the system is low-

retruct a transmission of each date. It is therefore

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E E D 0 8	(east) Fig. 11 as form containing process to the containing and containing and containing and the containing and and containing and containing and and increased and the containing and the co	The state of the s	(1864) The State of S
119 A2 4	money and any opportunities money by the money of many		recognization of the control of the
5 EP 0 977 113 A2	consider plants and position an		(100) It is a store on the parties from the country of the country

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113 AZ 6	the control of the co	
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Seachbod with reference to Figs. 12A and 12B. chroge server-	1 center		(DD 1009). 8 management data, Each of processing components and 602 and 604 and 604 and endication processing which "			information processing apparetus or client computer 10 gram for new registration, move, copy and deleto of a	101 actually used by a user. The other computer 101 point image, and has: a function of reading print original	402 and an american 503, as the application programs and ZIP by using FDO 1010 and storing the read evidinal	*	notion of cre-		Ī		2		e print order to the	•	[0139] Instrument Consistence and State St		can amend its tune-	8			umants buch as images on the network and tensmitting server 102) we the local detainment on contra-			option program and data processed but. Out at 17th accounted but is an analyzation amonam analyzation amonam such as orbit impostmentation but and are impostmentation but and are impostmentation but an are impostmentation but an are impostmentation but are impostmentat		7	traction of acquiring data to be processed by the data tracting transmission data from the local transmission	STOREGIST SOLD FOR HER SERVICE STOREGIST WITH THE GOLD CO. BELL CONTROL OF CO	*			_		processor 501 may be performed by the order placer of the print original triage time of original resolution in original triage.				he data processor 501 end expender 503. 59 eges by storing them in HDD 1009 as a distable or	popurchable file, as will be later described with reference	(D)49) The local transmission box 613 and local re-		
a 104 team the counter transmission box 410 and team.		5 data transmissionreception store authors recoved by recoved by recovering the recovering recognition data of recovering the recognition data of	and a function of otorthig reception data received from	he trage server 111 or prei server 121 in 6 centair ra-			annual (1)		111 of part and a restriction to the second of the second				decimand the declarified management of the state in the state of the s		_				talen and is displayed on the nativer's browner 50%. This	DI FOI PER LE PE							_	rrages, as will be leter described with retorance to high.	TATATA A carrow management table 412 is a table	orth; sarvar 121, ea will be later described with relarance			to accomp press maybe to a comment of the comment o		D1331 An order status table 415 is used for managing				and an extending with the test of describing with learnings to	Fry. 6. cesa, the investigation management table 417.		an image ID of an image file stored in the displayledit	mage mongs 411, by using the seme layout as that of		
and the second s		gram receives position change duty (new registration, o data transmission duty). The impension of a refer to a settlem. The impension to the impension of a refer to a settlem.	u	_	ubis 412 to be described leter, and has a function or caption box 419 to	9			a data representative of a move		0125) The mage collector 405 to an application pro-			2		Ī	_	z			ing the print thrage returned from the image server 111 into life) is used by	1		_	printings 35	Π			image collects 405 of certal trinsmissionmession 12A and 146.	_			2	standing the generalise print request data to the print.		_	2	via the center transmission!	-	(0127) The center transmission region contents in 19, 6, 6, 60127 As editor	3		_	ransmission data for the misgo earwer 111 of print ears.	

A continue control of the contr	presentant and the middle communication at the honor bridge produces interest the middle communication at the midd	
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8 8 8 8		
9 9 9		
2 2 2 2	-	
3 3 3 3		
3 3 3 3		
8 4 9 9	(0166) The order ID is a combestion of a user ID, a	to name 911, server ID 912 and numerical number 913.
3 3 3	and the second s	thi 787 In Ein GR. reference mumeral 902 represents
3 3 3		Control and the second
3 3 3	clear computer domitted and in order placing time. The	Constitution and a particular of the particular
3 9 9	user ID is an identifier of a user who issued a pith order.	service (17), in this embodiment, the propriate to subsigned
3 3 3	The clant computer identifier is a stantiar (IP address	to each print order placed by a user, and the center serv-
3 3	b) differential programme local and an electric programme in	is ar 102 assigns the order ID when a print order is placed
3 3		Chi 701 Reference numeral 914 represents a user ID
3 3	Che date particular and and and	to the other state of the sales and
3 3	[0166] The sub-order 602 is a unit of printing 618 print	tor manufact the user who present the present of the
3 3	sons and is identified by a sub-order ID which is a	COLOR Haratemate number of the barrena a second to the last of the
3 3	underso and of 1001 002 1 in the pitol order.	of the cancer earwar 102 which took the print order.
3 3	and the state of t	
3		
3	POS SING INCORPORAÇÃO INCORPORAÇÃO POR PORTO POR PORTO	and the same of th
3	size, the number of output copies and the like.	when the print order is taken at the center server 102
3	101671 The order flow 603 constituting the authorder	which executes an order taking process. This rumerical
3	City on the Company of the least of the Company of Comp	number may be a time when the order taking process is
3	**	
	[0168] The coll information 604 is a script which writes	[DIGE] IN DIS EMBORITOR, & press Close Care
	a print position of each image by page descriptive lan-	uniquely distriminated by using the user to kite, server
	Total Parket	ID 915 and numerical value 916.
	property The house ID ONE identifies a refer interes. The	
unction of atomic repetition data received [0151] to this embodiment, the print server 121 has	THE PROPERTY OF THE PARTY OF TH	Co. Contraction tables
2		A COLORI RESIDE INDIAN
	form. As will be later described with reference to Figs	
	9A and 9D, the Image tO trientities a print image. If o	[0163] Fig. 10 shows the order status table 415 used
	plumity of ingge files at remain locations have the	by the embodiment. The statue table 415 is stored in
	Ol service the contract that are serviced the service IO.	HDD 1009 of the center center 102 as a catabase or
		or annuabible the Majob the image millerior diff controls
red the image server 111, and is an earlier 55 cripinal image position management table 715 and print		
	der-tems 803 include user information, chargo informa-	sech process to be later described with reference to how
	tion and the that they are not relitant to the present	charts, by managing the collection status of print images
	The state of the s	of merit print pride by uples the table. The table may
of control improve stored in on ax. [0162] If NETIF 2004 of the print server 121 or NETIF	EMPERIOR SO DESI TRAY SUB CHILING IN THE STREET	of death pile piece of social size inch

The control of the co Fig. 8.

Prof. 1. The control of the Ordby and reviewedsment attail 18.1 A consumer solid of the solid section and the last of consumers the destifier of the conviers of the lag.

(p.27) Of the solid of the solid section and the solid section of the soli earizative of a sendar earvor and e receivor sorver of the retransmission data file, and te storced as the first terre-sorver of the formandarish or data file. Obsert of the reasonise lost featurements of transmission data 18 1911 (0207) Fig. 18 is a diagram showing a transmission data designmet used in the embod ment. Transmission data to be transferred among the center server 102, trage server 111 and print earvor 121 has the life formal shown 02131 The transmission date 1312 is an order trans a stood for one transmission data file. the path name in the volume. <Transmission data tomat> 2 2 restriction by the control control (100 at section by the control control (100 at section by the control (100 at section by Configuration of the configura (IOA) The reduction requirement data TEX befores the pirit map did of impg decide for yet may go and "Another States" or "An 2 sored the in order to transmit it to the print server.

9205] The original image position management of survey ID of "PSD1". considers perform which is set of an important map opposite to perform which is set of an important map of an important map of a perform which is set of an important map of an important map of a perform which is defined to the performance of an important map of an i Of the discussion of the discu [01:99] In Figs. 12A and 12B, noterance numeral 1201 inpresents an image it Dic sech usebb print image. [01:97] Polluenoso numeral 1202 inpresents an owner in Dic seatch print image which Ib is definitely determined from the image ID. A call of this owner ID is made blank for the control of th If an image is publicized inappactive of whether it is free [0195] Figs. 12A and 12B show original reage position management tables used in the embodiment. The «Original traspa position management tables» 2 2 . The control of the co 2 2 2 2 3 3 3 (1019) For 11 above the sevent redependent light-used by the archeofrence, Theserve renegations that is a sevent with 1000 Got do sevent recent (105 and size-thase or searchafte in 117 bit table manage informes in come after large anomas and delice arrans connected for the sevent (102, in the orthodoress), the table as such as years (102, in the orthodoress), the table as such as the sevent (102, in the orthodoress), the table as such as the sevent (102, in the orthodoress), the table as so be large department of the sevent sevent (102, in the orthodoress), the table as to be large department of the sevent of the sevent of the sevent as to be large department of the sevent of the sevent of the sevent of the sevent as to be large department of the sevent of the Ξ In O of prese original image used by the item constituting to the authorise vicinitation by the face constitution or to the authorise vicinitation authorise in representation by these vicinitation authorise in representation by these vicinitation authorise in representation by the vicinitation authorise in representation by the vicinitation authorise in representation authorise in representation authorise vicinitation au (0100) Although such path coder may be aboved as the other marrier, in this emboditment, duest to be pirt, order dail is alkness both in the outer management to be and order retainings, an earn to that type such process of in such of this film chart as more than the possess, which havings may be caused by additional information of a pirth order. be used by storing if in RAM 1002 of the center server. [0164] in Fig. 10, reference number 201 inoprasors an oder ID which identifies a print order taken by the center server and processing proclassed or already proc (1958) Relationce numeral 202 represents a sub-or-der III for illensitying a sub-order and constituting the print order identified by the order IID (1958) Repondore numeral 203 represents an lango shown in Fig. 15. This table may be alored in RAM 1002 0192] In Fig. 11, retorance numeral 1101 represente 5 server ID for definitely discriminating oil the image

«Sarvor management table»

EP 0 977 113 A2 26	acquire like by		•	 department of the like of impee date. 	_		2	one [0246] At Step 31503, on prished image stored in a			2	the generated in the print server 121 by Using 6 time of the	ľ		2					n	any, so that it can be processed by the date processed but		bitomission such as a commant, for example, a JPIP	so (JPEG Interchange Format) which is one of the intege	cets formats using JPEO compression algorithms. The			23	sec executed by using the formal desired by the user.			\$	data 2008, the treeping location being stored in Hold 2002.			3				this do colone image mostly management table 716 an error	ŧ			_		3		[0251] At Stap S1507 the Image ID of an elinate reg-	
22	[0222] The center anvex stores enformation of the tak- on putst order and therestlor, dentities a keeping bota-	tion of a print image identified by each image ID con- tained in the print order by using the image registration	information stored in the center server 102, and if nec-	present, transmitte an image acquisition request to the im- anne second 111, 112 or III denotat annex 121, 122 or 1231,	[0233] The irrage server or print server received the	image acquisition request identifies the trage file by us-	ing the image registration information of the earver, and	Intersection that straigs the to the Cartain Server 102.	form the image source or print source and others them	in the center server 102.	[0235] When all the print images nacessary for the	point order are collected at the center server 102 or the	addition of the state of the control	Annual 121	(0235) The print server 121 received the print order	and peint originations from the center almer 102, ex-	ocutes aprihi process in accordance with the print order	and thereafter framamits a print completion notice to the	cantar earvar 102.	[0237] The center sorver 102 receives the print com-	pletton notice from the print server 121, and if necessary	deletes the print trages collected for the print order and	The state of the s	dmaga registration at print servery		[6236] A regeneration process of print displaying the process of t	The localion at which the print server 121 is thetalled is	usually a shop each as a DPE shop. This shop parlorms	o registration of trage data mainly supplied by a user	22 continue franches for and the season and the localitates	mission rentroller 703 ransmits transmits transmits transmits and	data representative of the registration information to the	center server 102. Registration of the transmission data	by the implementation and the personned by	The Tank The Control of the Country	recast in addition to new recientation of original mag-	es. The print image register 704 deletes afrectly regis-	tanad original tragos, moves and copies original trages	to another paint server 122 or mage server 112.	(0241) In this embodiment it is secured that each US-	of Acquise in Advance a user to atoming to use	embodiment system.	[0242] Fig. 15 is a flow chart illustrating an irraga ring	get agent find of the descripted by the print trage (eg.	later 704. A process of image registration, move, copy	and delate to be executed by the print image register	704 will be described with selerance to the flow chart of	Fly 15.	[0243] Al Step S1509 a user emert a user to errestly
																																													. 15	2	. 2	801	
EP 0 977 113 A2 24	is a file containing characters, figures and image data. [0224] Palerance numeral 1402 reprozents a sorial	obtained by conventing the document 1401 by the data	page descriptive language. The script is transmitted to	the print server 102 via the center server 102 and ans-	lyzad by the print controller 702.	acquiring edit images of 8 low resolution from the center	a server 102, so that the data transfer amount on the not-	work can be reduced and a memory capacity necessary	tor adming can be reducine.	(0228) For an mago description (mago t) students	15 the image date 1403 and 1404. The date processor 501	uses edit images of a low resolution, whereas the print	controller 702 uses print original images. Therefore, the	path name at an unege life to be used by the data proc-	eason and or prest controller you is easing in a control	-	Description of presentings	Comments of the second	102271 First the grentli coeralion of the embodement	will be described with reference to Fig. 1.	[0229] First, the image server 111 or pint server 121	registers print original trages. The image server 111 of	this emboureant of caled a contains server and somes	39 server and usable by all usors. The print server 121 of	this embodiment is a point shop at which photographs	are developed and which stores mainly personal images	of each use usable only by the user movemer, in other	a server 121 may resister print images same as those reg-	bland by the letage server 111.	(0229) The image server 111 or print server 121 ea-	signs each prost straigs regions on by are server with an	49 agener 121 gangrate displayedfi Images of a fow reso-	brion which the clant computer 101 browses and edits.	The display image is a thumbhall image, and the edit	maga is, for example, of 1/4 base elthough I depends	on a daptay resolution. In generaling such mages, in		mark) format may be used se the displayined image.	(0230) The image server 111 or print server 121 bans-		Se formation to the conter sower 102, and the conter server	102 stores the transmitted display/adit images and m-	and requiremental information.	(0231) By using the clerit computer 101, a user ac-	outes metho off intens and hierarche on the orini	St appear 11 112 and IN stored in the carber agover 102.		ormore images and a desked print server 121 and place	a print order to the center server 102.

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	Annual College on Suppose and Suppose the College Suppose Supp	are a transmission protocol commonly used by the In-	[0297] Steps \$1803 to \$1805 ere repeated as many
Sta. Ins sanscied mage ID and more	Stop of the fee contains a delation particular to the	tamet, and the data processor 501 and expander 503	times as desired by the user.
Net ID and storage in room look.	Colombia colombia and the second second	mothered data by using an inter-process communica-	[0296] Al Step S1808, document data of a print traspe
op 5 /00, the mage int ag (south	and the construction in the construction of th	tiens function.	is generated by using the add image and the like ac-
strage againment prioritation versions		finders At Sten STRD1, is used meds the notwork	s quired at Size S1905 and by supplying the citta proc-
ayzad, the print ongmai maga casagran	The state of the s	house for from HDD 1009 or the like by using the	aggor 501 with necessary intermetion from KB 1008.
s extracted from the centur reception box	10 paged from the centrer framewater recognition and	function of the data concessor 501 and developing Lon-	The document data is the document 1401 shown in Fig.
d to the center transmission box 418, and	TOTAL AUT AT UND ACTIVISTICAL WIND SECURIOR IN PROCESSION	to BAM 1002 to make it usable and correct the center	14. and the odd images acquired at Step S1805 are dis-
s stored in RAM 1002.	renamental box 419, 110 mage reger and manual	same 102. The network browser 502 reads the expand-	played on CRT 1006 as the image data 1403 and 1404.
			70 The date processor 501 canadates sorbi data 1402
	so al 1314 of Fig. 13 of the Catalanown in Fig. 18. Illias ones		
age is garrened in accordance with the	is generated in accordance with the trage ID sloved at	TOTAL INC. WILLIAM IN CO. I. C.	document this The data processor All searches the
ad et Step S 1705 and the file nams of the	Stop S1709 and delate is not to the operation code	COST AL SORD STRUC DIR USER DE COSTO	account this this the beautiful between the ord branch and im-
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r ID stored at Shep ST 705.	School needs cate to the mage regulation of	105 at the Clark the document america 401	1402. The added document 1401 is stored in HDD 1009
ap S1708 the operation code (<ope> par</ope>	tormedion transmission data tills. If a flag is so: all 3flep	the state of the s	as a temporary file or in GAM 1009 The state sections
image recientation information transmits	\$1710 to the additional information 1994 of the original	Second Committee and Second Second Second Second	and the same of th
and 1002 is charted. If the constraint code	iman equition management table, any constion is not		
	30 conformed at Rian S1711		to document data.
		from the edd maga position managament table 417 and	[0299] At Steps S1807 and S1808, a provisional order
one of /US, whereas a not, the now is ret-	[USD9] On only the second seco	William and URL's and managed imposed URL's	placing and taking process is executed. With a provi-
	WHICH IS IN THE PROPERTY OF TH	formers which one he referred to from the natural	sional order olacing process, the sub-orders 902 and or
a S1709 to S1713 are executed II the op-	sion data in RAM 1002 is checked whether the operation	Comment and the Comment of the Comme	der harre 303 constitution a orbit order are transmitted
the importobitation information trans-	code is "delete". If the operation code is not "deads", the		W
	as process is tarminated. If the coordion code is "dalate",		
months and delighted a succession	the celainst image position management table 412 is	possessed by the user and registered by the print server	which stores them.
The state of the s	seasonbad to observe underliner thans in the data which sal-	121 and an image usable by all users registered by the	[0300] At Stap \$1907, by using KB 1008 the user as-
MOON BLUMB COLUMN SOUNDS TO SE LIBRARIA	Constitution that the leader ID 4004 is the color.	mace server 111. Since there are a plurality of images	lacts one or more sets of document data to be printed.
der sarvar of the imaga registration inter-	talica the conditional that the thagain 10 tool in the cap	to be secreted the unremay actor a distiller condition	and adds additional information such as the number of
			as coming to thereby obce an order to the data proposition
transmission date, the sonder earrer can	35 as the image ID stored at Stop S1709, that the value		
Heat Image in the gander server.	stood in the keeping location is the server ID, and that	503 to the edit mage supplier 402 to reduce the number	SOL. Nittl, trill talls pitchessed and listeds trip study, the
an G1 700 the conter status table to he later	the never ID is different from the sender cover ID	of Image IDes and URL's to be eint from the edt Image	Comment of the resignation between the organization of the comment
Colorado de Caracione de Caraci	passed from the center transmission/resolves orition	aupplier 402 to the expander 503.	1008 or RAM 1002 and sands if to the expended 503.
General of ray, 10 is session and of comp	in 407 of the posterior first if there is the right author	192951 At Ship \$1904, the expender 503 requests the	Next, the expander 503 instructs the document supplier
			as 401 of the center earver 102 to extingte the order taken
	AS INTO THE ADDING CONCUDENS, this processe is territoriation.	till to confident the first became a realise Alfill at 6180.	And Navi the document emplay 401 received the ac-
galoryreception controller 407 at the acti-	whereas if there is no date, the flow portinose to Step	O'CL S SEQUENCE OF THE PARK TH	ON most contract the contract about 100 to the
check whether there is any print order	81718	STORY, The Cocument supplies for administration of the	and the state of t
a notes imana and the chack ments are	(02501) At Stap S1713 the acit image position man-	neted displaying the storm me displaying the mage	CONTRACTOR OF THE PROPERTY OF
a part mays, and dis choose reds.	one-man table 417 is searched in accordance with the		
	as boson in to the lesson contraction information transmits		49 the expander 503 to the order taker 403.
		1008 via the network browser 502	(0301) At Stop S1806 the order taker 403 analyzes
	ON CALL STATE AND SERVICE CONTRACTOR OF THE PARTY OF THE	ferged. At Stee St ROS, the uppr salects a dosing im-	the acript received from the document aupplier 401 st
top S1710, the original image position	CONTRI DESCRIPTION OCCUPANT CONTRICUES AND SELECTION OF THE OWNER.	bundant many at the many displayed	She 91807, ardinote intermetion constituting the sub-
table 412 is searched by using the image	voten time, to thereby death the comesponding caus	- Off the man of the Dist. De man solute the man	certain 822 described with Fig. 9 auch as add information
		TO A SECOND TOWNS TOWN TO SECOND TO SECOND TO SECOND TOWNS TO SECOND TOWNS TO SECOND TOWNS	in a man the and stores the votrested intermedial
	46 aga his shood in the keeping locallon 1203 of the cor-	The same section of the sa	the corter management lable 418 In this case the order
time, if at Step S1709 the corresponding	responding case, the display/eds mage file correspond-	ponosi per per presidente della compania della per proposi	boo Cl. years of the exchange of period of the Co.
the perfect status table 415 0.0. If an image	ing to the image ID is delated from the display/led! Imago	permitted and or output because of a constant in a second integral	DE DE COMPANIE DE
the deleted is used by a print perfect city	thoron 411.	to the data processor 501. A dealed image may be se-	agrees it in PAM 1002. The order taker 405 tracks
and of the same of		lected by cicking a frumboal image with an unrapre-	
	Outstandard and and	santed pointing daylos such as a mouse. The data proc-	50 In the original Image position management table 412
		easer 501 stores the displayingti raspafile in HDD 1009	and whether the additional intermation 1204 has the fleg
imaga position management digits 412. II	the second of the day of the second s	en a terrecourt file and constalas a corrección de con	"cossibly deleted" not eat. It the Image ID does not exist
the corresponding dele dose not exist in	CONT. 19 IS SHOW CHILL MUTCHING BOWN BY THE LAND	of nount benefit and the Climper and any member and	in the original triespe position management table 412 or
is table 415 (i.e., il an image tile to big pos-	printing a profit code from the company of the printing	name and stress if in RAM 2002. If the displaying it-	the flag 'possibly delated' is set, an arror massage is
s not used by an already taken print order).		man file to of the towner which can write artificent inter-	45 Innamified to the expender 503 which operates to dis-
ding data in the original image position.	55 Than alwerk browner 502 of the clent computer for time	and the section and the instead of the instead of the	
table 412 is delated.	the document aupplier 401 of the contar server 102 com-	Company of the state of the sta	and it the name of the Arrest constants.
data to deleted from the original image	municate with each other by using HTTP (Hyper Text	the image advertiti or print server 121, die colle-	many or page of the word Comment.
common table 412 at Step S1710, then et	Transfer Protocol) or FTP (FIle Transfer Protocol) which	apondance table is unnecessary.	[0302] At Stops 51909 and 51910, the provention

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only order and PPS stond at Step SS10 are compared with each other. If the visite of the image expetition pri- only order is smaller, the servest designated by the data is used as on thrange socialistics candidate to execute the season of the step of the step of the season of the s	margh 3417 (18 19) 2317 the finage collecter 405 stores a simple collecter 405 stores a simple marginalization of the marge exception protony order of the data to PHI. to marge exception protony order of the data to PHI. to marge exception protony order of the data source of the marge exception confidence or at Sing 251 sor the image exception confidence (2515). At Sing 2518, he below value 18 heremented	The 'Purp parties for the dark and the doubling- position members that most in 1644 000 in the 'Purp parties for the 'Purp parties for the 'Purp Parties and 'Purp Parties and 'Purp parties monaphism that dark most pro- sent, the 'Purp parties for the 'Purp parties and 'Purp parties monaphism that the 'Purp Parties and 'Purp Parties an	And A Miles SECTION Control and Annual Annua	and it is in inventional and in a confident of its individual and and a financiar and individual and
(DD22) At Stop ESD90, the image collector 405 chocks has easieth resident at Stop SD21 throus is enon correra- ens of the corresponding data in the original image po- ation retrollement cable to 2,2 the Tops obtances to Stop also metalgement cable to 2,2 the Tops obtances to Stop	SOLI, MRRISE INC, No the water as to oppose occupancies of the process occupancies of the process of the proces	7	The company of the co	
card des having no water in the lange D is set with wrage being collector. In the status Eds. "The property in the status Eds. The description is based to be tall a fall as 51 (90) is expensively pask and the	heappropage of participating independent of coloring and the propagation of participating independent of participating independent of participating international participation of participating independent of participating international participation of participating international participation of participation			
der placed at Sieps S 1807 and S 1809 is provided with necessary birmatilism to make it is estimated with the color). At Step S 1809 he order taker 403 searches the environment table 430 searches.	The price are well received to the control of the c	(2004) A Risp Still the media that a CO. (2004) A Risp Still the media that a CO. (2004) A Risp Still the media that a CO. (2004) A Risp Still the media that a Co. (2004) A Risp Still the media that a Co. (2004) With the media that a Co.	constitution and an expension of the service of the	The ground and the second and the se

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«Printing completion processe»	•	develope it the PAN (1002 lowest in unitable and plans a passed of the print completion notice dust not be center respelled both 418 to not only and a passed of the print completion notice dust not only a passed by AN 1002. (10897 F. P. S. B. et al. 1002.	2 2	n	n 8	4 - September 10 - Se
cascool bullular	(DDB9) Fig. 27 is a flow charf illeatraining the patricing proceeds for a print color to be executed by the ordine couper manager 701 of the partie arever 417. Curing the patricing processa, as in the operator operation upon 167 2001, the order color merces or 701 is seed form HCD 2005 or the list and derecopped control PML/2014 portilals	[0490] A 65ps S2701 the coder output manager 701 reach the coder management labels 71 and displays the coder idea of all the paid output 800 71 and displays the coder idea of all the paid output 801 account in the order remengarrent labels 711 on CRT 2008.	(1098) A Risk (92X78) conduct option manager 701 assess the deate ID of optic octor selected by the op- orient (min MR 2006) in Alga 2002. (panal) At the Stage STATOS by using the order the Described at (panal) At the special control of the special octor of the special octor manager and the special octor manager and the shift is the subtility in stage of the octor control octor o	point continued in 200 a single continued on the II to ord description of the II to	A date as required or a strong or the high high is the one could manage VII. She A district or could be she of consider to the post of the pos	The ground and and of a control of the control of the control of the principle of the control of
and more than control transmission that the front the	Are consequently and property of the description of the consequent of the property of the consequent of the property of the consequent of				To open linguish in the internal position by the control of the supplies of th	(2001) a polytomer of the control of
	transmission header 1311 to the order to transmission de- termination header 1311 to the order transmission de- termination header 1311 to the order transmission data anough to enter transmission box 418, in his case, so the gardepearance of the order transmission data are added by uning the part order transmission data is as added by uning the part order data section data 2500, the uning the part order data section did 15kp 1007771. If there is in inness 10 000 is the print order 1007771.	date and the image it I satisfy in the pleasity of image that and flow arms showed as Spo SSSS, it is fits many of the partic religibilithmings its copied to the carrier tension mason to will be Sible SSOS and companied to the many of the state of the second to the se	we are in 1220 Fr 32. It is noted redesignate the elaboration to the price adjoint lengal file section the secretarion. It is not price adjoint lengal file section that the price and the section that are the section of the section that the section is not provided that section the section that section that section the section that section that section the section that section that section the section that section the section that section that section that section the section that section the section that section the section that section that section that section that section the section tha	(1977) The outside offer transmission disabilities and of our information such its a test name and others and a secretary of a section to the outside of the carrier and outside outside of the carrier and outside ou	(EXT) The continues are seen to the continues of the cont	

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48	Great (i.e., the second control of control o	The BROOM current by the Accordance or an external region of the BROOM current by the Accordance or an external region of the BROOM current by the Accordance or the BROOM current by the BROOM current by the Accordance of the Accordance o
113 A2 48	the part of the desirable of the per remaind of the per per per remaind of the per remaind of the per remaind of the per per per remaind of the per per per per remaind of the per per per per remaind of the per per per per per per per per per pe	the 17.8. 196 (17.4) A City (2000) to part maps request 74. 11.5) years of the control of the
47 EP 0 977 113 A2	was an an analysis and an anal	

and the same of th	veloping it onto RAM 1002. The conter trensmiss	caption controller 407, local transmission/recaptio	rollor 603, or local transmission/racaption con	5 703 roads the explication program from HDD 11	HDD 2009 and develops it onto RAM 1002 to rt	usable.
THE PROPERTY COOK IN COUNTY IN THE PROPERTY OF	tion control information table 31 04 are collectively called	a transmission/teception control information table.	[0435] The fransmission/rocaption control informa-	tion toble stores a pluralty of data records each being	the date proup described with referent to Fig. 32. Each	date record is definitely identified by the velue of a trans-

* (IMS) This verimentation in course 20th in the the sound of best eventueles catelling 2004, receiption can be statisfied to the statisfied of the statisfied 13201

(043) Theirecea rument adds operating the last and white stress has also as it is a fact, stress he also as a fire debegged by the transmission from many as the ransmission from man as the properties of the stress assessment and man and operating the stress assessment as the stress assessment as the stress as the stress and stress as the stress and stress and stress as a stre caption data ata 3105, the transmission data tile namo has no vetus.

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(Net) Reprocessive numera School consenses as tonor-nation/nessive numera metal control control control when the first ageing school by the trentmission fin cursa 3001 is turnemized or included. The treatmission fin cursa (D441) The treatmission/persistence noted (Informa-tion table sincere arithmets of such for the immerision data is 3000 to receipt a start in 301, image the 3000 start and image the 3100, as described above.

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«Processor information table»

ŝ ¥ (Field) The processor bromation than \$100 field in possible of data recent much being that data group du-ceration was required to \$2, this data morticul end-turally carefulde by the value of transmission data and man \$100 for this endoclarate. It assumes that data coccade brings grown values or recent is successful. The top presence referrance in the same of the same as being more to the object successful and an application of the beginning or the processing of the same of the s 0442] Fig. 33 to a diagram showing data liams stand in the processor information table 3103 of the reception

f not, the process is terminated. æ [044] Reference numeral SGC represents a proces-ec quaring mothod witch stores a maltool of estring a processor which processes the transmission data des-grated by the instruties and also tag mane 3511. The sprated by the instruties and also tag mane 3511. The

A con-trollar 209 or

after the processor is adhorsed in accordance with the possessor starting and mode of 350 byte oseins treasers starticospic controller 407, local treasers/according as fair controller 403, or local treasers/according to troige 703, The perse of the date it sen is to except the life name of the transmission class (16 3105. data Information which stored the name of 6 data flem passed to the processor via RAM 1002 or RAM 2002

<Transmission (To registration process»

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[0-448] At Step S3401 the transmission data to stood as the fractionary-stood as the fractionary-stood infrarries or 2022 tarking the same name as the service of the second in FAMA 1002 or PAMA 1 by using the tile name of the transmission data the 3004 stored at Stap S3401, the file atto of the file, and a Information data described with Fig. 32 is general At Step S3402 the transmis

(p480) At Size 53403 it is checked whether the COMLINKS up is contained in the transmission data. If contained, the flow advances to Stap 53404, whereas present process time, and withes the generated trans-mission/acceptor control information data is the trans-mission control information table 3003. 3

1451) Stope \$3.404 and \$3405 are topicated as many mass as the number of tipe such as images destinated by the «CAMLLINK» tag in the transmission data. [0452] At Stap S3404 the file designated by t «CAMLLINK» tag in the temperalission data is elemed the imposition of the interpretation of the sound transfer

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3002 for the print energy 121 in the central standards box and a manage including the directory names is received from the central standard 1002 and exceed in RAM 2002. est of the date having no volue in the intramission date file name 3202 and intramission completion date/me 3205. I.e., the date of a terramission date file still not quests the directory names of the transmitter-sorted re-D468) Steps 53502 to 83507 ore repeated for each por of the date having no volue in the transmission date ton to the center server 102. Next, a messaga is trans-mitted to the center server 102, which message re 2 . negiver stored in RAM 1002 or FAM 2002 (QASS) At Step SAMS the intranslabor/incoeption con-trol information dated described with Fig. 20 is generated by vering this file names of the image file 300S stored or Step S3404, the He name of the insmertisative data file 2004 exceed as Sept S2401, the tile action the innege file, and a present process into and within the garder auto transmission/resistion central information data in S002 having the same name as the server ID of the he transmission control information rable 3003.

grammad, among the transmission control information 0454] The center server 102 and print server 121 can be interconnected vis the network 103 by dishup con-«Date transmission/ecaption process at print servor»

detailes of the teacher social control information babis is 2002 for the excelver-social teachers box 2002 for the centre savar 102. The transmission control browning method state to processed in the stevending adder of the value of the tox stongs detailing, i.e., in the order of the control personate response a respective private a control personate response a respective private a control personate respective pe

p (page) for but the control of the by the local innumbational ecoperion controller 600 of the large server 111 of the local innumbation/respellon controller 700 of the print server 121. Stock the processes as by the local inservisal-controllers controller 600 of

In the transmission control information table 3003 as the transmission dots the name of the transmission control information data, as though update the transmission sortiol information table 3000 \$ The image serve III and the local institution of the image serve III and the point serve III as a serve only the processor of the point serve III as the serve only the population or certains 17d of the print acres II till serve III till controller 407 of the center server 102 will be later de-

[0463] Steps \$3505 to 83507 sie repeated for each set of the transmission control information data having the same transmission data file name 2002 es the transmission data life name of the transmission control effor-mation data stored at Shap 83502, among the transmis-sion confrol information data in the transmission contro-4 [0456] A 'measage' to be used in the description of Fig. 35 and in the description to follow is assumed to be text data containing the server ID of the print server 1.21. a process request and the tito, the text data being trans-mitted and received by MTTP or the libs. A file is trans-mitted and received by FTP.

scribed with reterence to Fig. 36.

[0464] At Step S3805 the local transmission/inception controller 703 reside one set of the transmission 3,

bom the travantation control information that 3000, and advocate in RAM 2000, What the local invariantation operated to the local invariantation of couples controlled 703 match the image is local of the instance operated by the attention state of the match control of the instance control of information data, and fresents the images control of the instance operated in the discount of the warm finish or the size of the instance control information data satisfying the above condition 2 [0457] In response to an oparation by the operator from (02 2008 or at a perstation had not to be both them of many from the person of the person makes in the person of t to make it weakly spot in accordance with the correction of agents of size of the correction of the co

essend A. Ring SASDI alrows in Fig. 381 for central magnetization of the section meson confid information data having the transmis-alon completion data/time 3205 older by a predatercontroller is etopped when one mossage is procand of the controlled control The Control of the State State and InsurantivosepoThe Control of the State State Sta The A file SES (1) we can investment on the properties of the A file SES (1) we can investment on the properties of the A file SES (1) where the Third SES (1) which is the A session of the A se the center server.

[0478] A Stop SUS14 the local transmissioninoopton controlar 702 televishe e message witch not fiss
iten controlar completion and contains the stransmisstoninospilon control information data stood of Stop [0460] At Stap SSS19 the local transmission/incorp-bion controller TOB securities the transmission control in-formation table 3003 in the new secret deformanisation box 3002 for the control server 102 to choice the trans-[6478] At Step S3518 the local transmission/racep from controller 703 releases the correction to the carrie server 102 if the dial-up connection to the canter serve stored at Step \$3510. 8 \$ 9 • 2 \$ 2 3 (March A Lag. 1850 to loss intermenomeno-portion of the control of the control of the control of the many control of the control of the control of the control of the many control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the many control of the control of the control of the control of the many control of the control of the control of the control of the many control of the control o [646] At this 2000 to the contribution of the tion data the so as to be stored as the transmission data (16.3) DE in the transmitter-sorted reception box 3102 for 1472] At Stop 53312 the local transmission/ecop-ion controller 703 sots o present date/line to the trans-niesion completion desertine 3205 of the transmission irol Information data stored at Shap S3510, and adds the tronsmission control information data to the trans-mission control information table 3104 of the trensmit-ter-sotted reception box 3102 for the center server. he center server 102, D472] At Stop S351

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		And the second section is a second section in the second
aion completion detailme 3205 older by a predater		restage requesting the transmission recognition above in
mined parted from the present time, from the transferior sion control information table 3003, and also to delete		Fig. 30. If the mestage requests the proposition, the flow shapes it not, the flow
the transmission data file 3004 or smage file 3005 dea-		
grated by the transmission file name of the transmis-		[D487] At Step S3603 by using the server ID of the
and control moments data. Instrumental control		contained in the messon analyzed at Sino S2801, the
letectormediately after the traverission completion be-		center transmission/racaption controller 407 checks the
cause it may become nacessary to transmit from again	•	same directory name in the recolver-sorted transmis-
when a transmission trouble cooms.		sion box 3002 and the same directory name in the trans-
[0431] The processor such as the order output man-		mitter-sorted reception box 3102 as the directory name
ager 701 activated at Stap S3517 daletas a correspond-		of the server ID, and responds to the document supplier
ing transmission data file 3105 and image file 3106 of		401 by passing the chacked directory name to the operature of account accounts 401 via RAM 1002
concess for the transmission data file is completed, and		(0458) At Step 53604, the center transmission/lecip-
also deletes the data hwing the same transmission file		ion controller 407 checks whether the contents of the
name 3201 in the reception control information table		massage checked at Step 93601 correspond to the
3104 as the file name of the deleted files.		message notifying the fils Immemission completion and
[O482] In this embodiment, when the process is later-	2	transmitted at Step \$3505 or \$3508 ahown in Fig. 35A.
cepted during the data reception by a network trouble,		If the message notifies the file transmission completion,
this process is again executed from the start. Also in this		the flow edvances to Step S3605, whereas if not, the
case, an ayeady transmitted or received image file is		
not transmitted or received again.		[0488] At Stap S0505, the center transmission/recep-
	2	tion controller 407 edds the transmission control infor-
<transmission at="" center="" process="" recaption="" servor=""></transmission>		mation data contained in the message analyzed by CPU
		et Stap 53501 to the recepton control information table
[0483] Fig. 38 is a flow chart illustrating the data trans-		
mission/reception process to be executed by the center	1	[0490] At Stap \$3506, the center transmission/recep-
itensmission/reception portuous/ 407 of the period serv-		tion definition way drawn and definitionally date in
Of 102.		contained to the measures analyzed by CPU at Sixo
		\$3801. If the value is not in the transmission data file
is personnel to a reception of a massage from the boal		name, the flow edvances to Stap S3806, whereas if
transmission/reception controller 503 of the image serv-	ŋ	there is evalue in the transmission data file name, the
at 111 or the local transmission/reception controller 703		process is terminated.
of the print server 121, in this embodiment, HTTP is		(0491) At Step \$3807 the center transmission/recep-
used as the transmission protocol. The occument sup-		tion controller 40/ 1960s the transmission data life 3100
the center transmission/included controller 407 onto	\$	transmission control information data contained in the
RAM 1022 to activate it and execute the data transmis-		message analyzed by CPU at Step 53801 and writes f.
stonteception process. The activation or starting meth-		in PAM 1002 to analyze the contents thereof and extract
od is the same as the starting method by the adit image		all the transmission lags such as represented by the
supplier 402. The actual data transmission/reception is		cREOs tag ahown in Fig. 13. Next, by using each value
exacuted by the document supplier 401, and the trans-	ą	of the transmission data tags, the processor information
massonincephon data is exchanged between the doc-		table 3103 is searched to extract the processor informa-
centerful supplier 407 and comit transmission/scapings		5301 in the processor information table 3103 as the val-
tion controller is elegated when one massage is proc-		ue of the extracted transmission data tag, and thorest-
pesse	3	tar, the corresponding processor is activated in accord-
Canalia and the Court of the In the Canalian		unce with the processor stanting method 3202 and do-

doda.

[OHG9] Al Stap SSG08 il e checked whether he conlays of the measupe checked all Stap SSG01 comespected to the measupe orbiting all is receptor compleline and transmitted is 196,553 to 1551 shown in
Fig. 359, Il flow measupe meditos at file receptor comFig. 359, Il flow measupe meditos at file receptor com-

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ance with the processor starting method 3302 and do Ivery data information 3303 in the processor information

	 	(Difference of the contraction o
with the form and the state of		(color) To 30 years and a second or

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transmitter of the image Actualities request transmit-		
elen data, stores il in the order status table 415 and order		[0515] In the third embodiment of the invention, the
management table 416, and theresiter activates the lm-		aystem etnerture to be described later is added to the
	•	system structure of the first embodiment, so that a fer
[0510] The image celector 405 of the canter listver A		of print orders passed to the contact terror lock by a best
SAN descript in part angle conscing process us		defent on order it is also consider to return the order
actions will be add losses are collected articular the		received by the order encountry to the center and an 102.
perfect promote manager 400	9	105161 Fig. 38 is a displayment proving the evetern struc-
[0511] If the name of the carder server of the trans-		ture obtained by adding processing components neces-
mittar of the mage acquisition request transmission da-		sary for the third embodinent to the center corner 102
ta is contained as the additional infermation in the print		described with reference to Fig. 4, in Fig. 38, compo-
ceder to be processed, the order progress manager gen-		ments 404, 405, 405, 412, 413, 414, 411 and 417 shown
erates the original trage fransmission data as indicated	ą	In Fig. 4 are not shown because that a comportente have
at 1317 in Fig. 13 by using the print original images to:		no important mediangs in time of the emboormen de-
the print cross, and unvarint the original magalitates		CORTS and SELS above in Sin 16 and arrelled in the com-
mason eath and prof. original marges to the university		control and all Alf Alf and Al
house constructional by the party date, by the house care, by the party of the construction of the construction of the care of	8	4. The acted processing components 3602, 3603 and
lar the transmission, the print complision process de-		3934 are application programs which are read from
scribad with reference to Fig. 28 of the first embodiment		RDM 1003, HDD 1009 or FDD 1010 and developed onto
is accouled.		RAM 1002 to make them usable, emissi to allow
[US12] The carrier earlier B 3/02 /scawou tre coughts	2	FOST21 An extra lat disein 2802 is a prediction pre-
The mane mornion opposes to the orbit combition		
encess described with reference to Figs. 24 to 28 of the		client computer 101 from an order management lable
first embodiment, to theraby print the document of the		3811 and order status table 3810 and transmits the
print order placed by the client computer 3703.		segrethed print ender data to the citent computer 101 via
[0513] According to the excend embodiment of the In-	2	a document supplier 3801.
vention described above. the etcraps and data trans-		[0518] An order correcto/deleter 3803 is an applica-
maeloutraception controller are provided. The storage		tion program which receives a correction request, a de-
managas the transmission/hecapilon data as a combi-		bition request or the fits transmitted from the effent com-
nedon of the transmission/reception control infermation	:	puter 101 and executes the correctionidal allon process
date of an SUML format and the Introduction outs even	8	THE THE CASE CASE.
es mage feet. The data utmama son/reception coming-		(USA) An ottak manua controlle sous a set appara-
by travernis and receives data asynchronousy in a		4504 population the odel easter 121 to be described
manner that drafts work controlling story controlling and one one one		later and updates the order status table 3810.
a transmission regress from each transmission/i acto-	\$	
tion requestor such as a software program when the		<print savar=""></print>
transmission/reception control data and transmission		
data is transmitted and received. Accordingly, even in		(0520) Fig. 39 is a diagram showing the system struc-
an enviorment fuch as a data-up connection not aways	1	total countries by accord processoring controversion indices-
as point data can be transmitted and received of the		scribed with reference to Fig. 7. In Fig. 39. components
samo fine.		701, 702, 704, 705, 712, 715, and 716 shown in Fig. 7
[0514] A manager for excling data transmission/re-		are not shown because these components have no im-
cepton history in the stetuge and the data transmission	5	portant meanings in terms of the encountries descrip-
racegood controller naving a tercular or name training to	ŧ	shown in En. 10 are similar to the monoments 703, 711.
The transmission/reception resumes effor the transmis-		712 and 713 shown in Fig. 7. The added processing
alon/reception failure by using the data transmission/re-		components 3501 and 3902 are application programs
caption history, ere provided. Accordingly, even in an	1	which are read from ROM 1003, HDD 1009 or FDD 1010
unstable network environment each as mobile commu-	3	and developed onto HAM 1002 to mans them useds.
months, are user-up consequent and or once the pro-		(0521) A recipilon order lat display 3901 is un appl-
		cation program which acquires a list of print aider data

state attl not received. rist display procees ä

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remote collect of control or not (10 forestructure) and control or not	The control of the co	
- 2 2 4 4 5 5 7	*	
the control of the co		it and received stock to the centre several contraction when the several contractions are several contractions and the centre construction of the centre contraction contractions and the centre contraction contractions are centred to the centre contraction co

24 51 116 116 116 116 116 116 116 116 116			
If is also changed	(0608) Reference numeral 4505 represents an imput	the reception schodule to the print server. After this set-	same as those of the first embodiment, and the desi
15t box 4902, a fat of unreceived print	groe for the total meximum number of copies which is	the pint order is automatically received at the ext.	TION (Nevaot IS OFFIII OC.
taved The displayed contents include re-	entered by the operator by using KB 2008 by tho unit of	time.	[0633] A print mage stanges for acces mages,
Momenton each as data amount and re-	**		
and make the property of the property of	[0805] Saforence numeral 4908 represents a button	and the order is not received, an alarm fine is written in	
ace the number of cooles and edua data.	for adding a reception enscullan schadule. When the	a log file of HDD 2009.	ages by HDD 1009 of FDD 1010.
and of other to the total amount of data to be	coemitor selects this button 4906 by using KB 2008, the	(0924) The print servor and contar server of the fourth	[ge34] A user group management table 5102 mile
meahad and is represented by the unit	achodule action 4704 is executed.	embodiment operate as described above	se intornation of enable supplied from the clant
caedon time aetimated is calculated from	[0510] Reference numeral 4907 represents a fat box		
	on in which achadulas are displayed. The schedule added	sible to provide an image collector/hansmitter with the 19	
the unit of minute. The due data is a data	by the achadule adder 4704 is displayed with a list of	amplies cost without lowering user service contents	(0535) In this embodinant, the clant computer
wished A next delivery method is either	Umas plich as dates and days of the week.	each as eslection of an output server.	has a lunction of adding information to Images in
shop or a mail delivery	(0511) Perference numeral 4908 represents a button	(0626) A manager for storing data transmission/m-	stongs to travemit the information added images to
constant on paints as order to he on-	the saudin the settions described shows	caption history in the storage and the data transmission?	center earwer and a function of requesting to regi
	of 10610) Reference memeral 4919 connected to button	reception controller having a function of transmitting/te- 74	update and delate the Images. The information to
		calving only the DCB still not transmitted/received when	rection on notamical asbutan aspert of bedda
gright state on the unreceived progritte.	The state of the s	the transmission/persoller resumes offer the transmis-	or read of the smooth by the third point is permitted
phighlocords is egan letodad, the righ-		- executed the property of the contract of the	inhibited and information on which user is permitted
signed and the prost is unepicted.	CSCHIOURING ADDRESS	and it come the property of the second second	ion what nation and other information
		Copied Helph are provided to the second of	•
order which	to (0613) Fig. 50 shows an example of a window dis-		
resented by the unit of byte.	played by the schedule adder.	necessary, the deal-up connection can be used relating.	Color dions invisioning in the colors
rence numeral 4804 represents the lotal	[0514] In Fig. 50, reference numeral 5001 represents	(0627) All unreceived orders are not received but only	
ing which is calculated from the total	a list box for selecting at what day of the week and at	the order selected by the operator is received. Accord-	(0635) Fig. 52 is a diagram showing the user man
amount 4803 and the transmission rate	who i date the reception is performed. The operator can	Ingly, reception and print works can be parformed att-	
2		clarity.	=
		(0626) The order not exceeding the preset maximum	102 os a citabase or o searchable file, and used w
Which furnished reducing the property of the party of the	aces for a serestino time		print tragge transmitted from the client computer
מתנוסטי אפ היום מתוומו פ פונוייריום כל השנים	Control Defended to the control of t	a more officeral and avia odni work is occable.	are atored, when the user requests to edit print ima
scapiled prop popul of the line, emood-	Leaving and action above All to Did to the act the		or at other times.
	COX IOS BRIGOLING STREET AND US TO A 10 THE STREET	Eth Enhadment	20 (0637) In Fig. 52, reference mumaral 5201 repress
			a table stoon the image ID of each image and its or
his button is selected, the reception order	IS ASSISTANCE.	leading of sealing house, and seal of the seal of	Media Reference cumerals 5211 to 521N rence
rinakad	(9617) Reference numeral 5004 represents a button	(Deca) In the line and encour of the contract	the state of the s
a racoption order selector is exacuted, the	for adding the input values in the box 5001, area 5002	swages of point mages are regalited items rightly used	The first of the party of the p
yed orders is received from the center	and box 603 to the reception schedule box 4507 shown	trages are regareted	
d displayed on the unresthed order list. At		without intervening the network.	
ontion time actimated in this list is calcu-	5004 a plurality of times, the conseponding number of	(0630) In the fifth embodiment, the print images are	be set freely by the owner of print images which
Secondarios cata 4001 When the contra	extendible are arised to the reception achiedule box	registered from the citent computer 101 to the center	transmitted to the center narver.
a series to be constituted and the secondary	7007	sorver 102 vts to network. Services eimiliar to the first	[0639] Reference numeral 5221 represents an in
a order to be received and the received	Posterii Gulamana remanal CMS rescusante a hellon	to lough embodiments are also realized, and the regis-	ID of a upable print image.
ne reception to performed.	[UDIO] Materialica municipal accordance a personal	the colling of the property of the second based of	_
		The strate failed out of other second benefit about	O of the owner of the image, the user ID band of
chedule estitats	tor operative upon this burion acute, the control is passed	the state of the s	soon as soon as II Classes with a section basine
	to the reception echadura satter 4703.	and an advantage of the latest	delicited from or not less this hard is made blank
49 shows an example of 6 window dis-	[0019] If the earth and reception is ear, the pressent.	-Charles at a charles	Penn is no linted table
			65 IDB411 Paterance numbers 5223 represents an
1030U19	ACTION COME THE GLOSTERS BY OF THE PROPERTY OF THE PROPERTY OF	INCRES. The evalue structure of the 19th emberliment	In of an user which can use the indeed image
for selecting a manual reception.	Of the local transmission toronte, local transmission	to the same as the first ambediment as the description	105421 Reference numeral 5224 represents e pu
ranca numeral 4902 represents a radio	time, and the countries of copies.	thereof is central. The chart computer and print server	during which the user identified by the user ID 5223
seting an eutomatic receptors, when the	(Mazo) International property of the party o	are also the same as those of the tret embodiments.	use the linked print image. If this period of the user i
under this dut-	from a promy order such as the due date.		60 iffed by the user ID 5223 to not limited, this flam tern
		Cardat sanan	blank. This means that the print image can be used
rance numeral 4503 represents an input	COLO DUIGO 4902 610 ORIGIN DISCULSIN VONE		Smitadiv so long os it exists in the center server 10
GI DENGERALDE MARIMUM GINDUM MARINI	The same of the sa	108231 Fin 51 is a discoun showing the structure of	
he operator by using NB 2008 by the unit	printed, index, the date and time or the localisation are an	each processing component and management debt of	dmaga registration from client computers
	Marked, an other to seed a seminature, and both seed, as well	the center earner 102. In Fig. 51, like elements to those 14	
		of the first embodiment shown in Fig. 4 are represented	[0643] A process of registaring print images tran-
Sal temamation time maximum amount	manney overly and addressed the constant of th	the selection identical relations numerals. The elements	led from the client computer 101 will be described.
ad by the operator by treng his zone by	CONTRACTOR	and one simple indication of parameters of the	brane moleter 404 above in Fig. 51 registers now
ar and minute.	autominio facelicon execution oution eads to regatar	and the same of th	

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			Passession model? for pleasthown (I'm process from in my.	and of median economies the economic median in the
a, delates already registered mages, moves		which can use the original shape and the tree person.	militad and strend in RAM 2002	can the solivane program codes themselves road
Again in ages to the print server 122 of the ga			factor At Sten 85402 the meration code stond at	from the storage medium realize the novel functions of
in response to a request by the user or the		CONCINCIO MINI CONCINCIO PARTICIO PARTI	Step 65401 is charbed If the prestrikes code come.	the invention. Therefore, the storeon medium storing
2000/101	•	Control Country of the second	- secrets in "add avean acretation" the flow advances	a such program codes constitutes the invention
to chart compose not transmiss disgramment	,	the state of the s	to Step SS403, whereast not, the process is terminated	margord it a storage medium storage suri (9780)
normalism each as operated turns, owns	Ī	And the Control of the broade if of the altered and	FOSCEL At Step SS403 on Impo ID is acculted and	codes may be a floppy disk, a hard disk, an optical disk,
a about to Fig. 51. The image register 404		stered original image to be processed in acquired from	stored in PAM 2002	a magnato-optical disk, a CD-ROM, a CD-R, a magnatic
a odolnel Image and Information		the original image position menagement table 412 and	[D669] At Step 35404 by using the image ID acquired	
o 53 in a flow chart illustrating an smage req-	2	M 2002	at Stop SS403, the user group menagement table 5102	so (0850) The invention also includes not only the case
as to be executed by the image register 404.		(1656) At Shap SSS03, the operation code stored of	is searched to judge whether the previously acquired im-	wherein the embodiment (unbliche are restaid by exe-
majatration, move, copy end datete to balax-		Ship SS301 is chacked 1' the operation code is 'mova'	age ID exists in this table. If exists, the flow advances	cuting the program codes read by a computer, but also
the image register 404 will be described with		or 'cqpy', the flow advances to Step SS310, whereas if	to Step SS405, whereas if not, the process is territrated	the case wherein the embodiment functions are resized
o Fo. 53.		not, the flow advances to Ship SS311.	and the process of acquiring an edit image of the original	
Step S5300 the information acquired by the	2	10557] At Step SS310 by using the Image ID stored at	intege registered in the print server 121 or image server	is the whole of achiel processes in accordance with the
supplier 401 is accurated by the image radiater		Step \$5308, the original linear ocation management	111 abouts as in the first embodiment.	program codes
		table 412 is essentied to ecquire the path name of the	[0670] At Step SS405 it is checked whether the user	[0681] Furtharmore, the invention also includes the
Step 55301 a code freezanther called on		Anacyl mace the corresponding to the image ID, to mad	1D stored at Step \$5405 is concident with the user ID	case wherein the program codes read from the storage
to the property for the secondary from a sec		the adolest impossible from HDD 2000 or EDD 2010 and	at the row swarched at \$tep \$5404, If colocident, the	medium are written in a memory of a function expension
code) to Definition of the characteristics	:	to a contract to	they achieves to Step 15407, whereas if not, the flow	to bound or unit connected to the computer, and a CPU or
m the midmandh addered at easy associ.	2	CODY To any ages of the contact for behand in	advances to Step \$5610	the Bo of the function based or unit executes part or the
III HAM ZUZ.		The party of the capability at the capability of	Declared of search of order by united the small of 17301	whole of actual processes for realizing the embodiment
t Step SSSEZ, I've operation code stored at		the party of the party of the party of the party of	of the CEAN DE AND MAN IN COLUMN THE COLUMN THE COLUMN THE CEAN TH	Sanctions
il is chacked. If the operation code corre-		Desail A sign seem in a opinism code stored at	and the control and control an	COSP21 As classribed above, recording to the patentin
'new registration', the flow edvances to Still		SHIP SECUL IS CHICKNED. II UTA OPERATION COOR IN TROVA	Course as One of the call lance and at the	of beneated the bases coulder measurement author ch.
ereas if not, the flow advances to Stop \$5308.	2	ar delata, the flow advances to Step SSS12, whereas	Local At coup concern the equitingly explanate at comp	
step \$5000 the original image is written in	_	if net, the flow advances to Step SE313.	SONO IS DESTRUCTED DISCUSSION OF THE PARTY O	person of contract hours of manufacture for manufacture according
. In this case, the center server 102 generates	_	(166.9) At Stap SS312 by using the image to stored 8/	number of less and flutes for some date by ferren	the second secon
alua by using a presant time or the like. This		Step \$5308, the criginal image position management	al Ctop 55405, the table trived to this fow searchise at	Mornagues stocking the mage stocking at which stock
to is used as the image ID of the image such		table 612 is easisting to defete date and original image	Stop South is searched. If the Lamb Liter to exists, the	OSES IS SECTION. SING SET CONTRACT OF CONTRACTOR OF PERSONS
ga ID of the first embodment shown in Fig.	2	He from the original image position management table	llow sovernois to Silep Soutio, whisteas if not, the 10W	
ad h RAM 2002		[0840] At Stop SS313 the number of original images	advances to Step SS411.	specific information stored in the manager, in response
Stop \$5304 Ins eriging irrage written in		to be processed for the user is checked it there is an	(3674) At Step \$5410 the value is acquired from the	to a request for the image data from an external appar-
of Stan \$5003 is corrected into an Image		priginal maps still not processed, the flow returns to	paried from all this row searched at Step 85409 to check	ratus. Accordingly, a used is required only to memorize
of the exe eceminates and the			whether the present date is in the period. If in the period.	
shy annually a depley/adt image which is	2	[3661] The registered print Image can be processed	the flow advances to Step SS407, whereas if not, the	as data file in order to acquire and process the image data
a cholawadi imaga storson 411. As the for-		the methor in a marrier similar to proceeding the point im-	flow advances to Step S5411.	file. Further, by managing and storing image data of an
deniminal image a format which can be		and described in the lifet to fourth embodimente. Similar	(0675) At Step SS411, an error process is performed	owner together with the information such as owner and
twitte data processor 501 and assembler 503		anyteas of the first to fourth embodiments can be pro-	and a massage to this affect is transmitted to the olient	uses of the image date, it becomes possible to make or
of comment of the cond The broce formal			computer 101.	not to make public the image data to the third party.
a compared to the contract of	•		(0976) As above, print images are registered in the	
COOL SIGN OF PERSONS ASSESSED ASSESSED.		Acti Impas securities by class connected.	center server, and the center server controls the clant	
of Section 14 per			computer which acquires and edile the edit image of the	Claims
1950 comecassion algorithms The Image	106627	A expense to be executed by the option partor	registared print image	
one properties at Sign SS303 and stood in		when the user of the client computer 101 requests to	[D677] The prosoni errenism may be applied to a sys-	-2
the section on the additional beformation	7	assure the acit imon will be described.	tem constituted of a plurality of appendiuses or to a sys-	46 to a print order, comprising:
See \$5305 the original proper witten in		108631 The document supplier 401 shown in Fig. 51	ten constituted of a engle apparetue. The invention is	
of Stan SS303 is eterned in the print image		executes the processes of the first embodiment, and the	obviously applicable to the case wherein the embodi-	managing magns for menaging position intol-
		actition the search, addition, vodate, and delete proc-	ment functions can be realized by supplying programs	matten indicating a keeping location of mage
Sep State the user ID and image ID atored		esses for the user group management table 5102.	to the system or apparatus. In this case, a storage ma-	-
Stone Shade and SSACS and the keeping in-	3	[0664] The clani computer 101 transmits information	dlim storing such programs constitutes the invantion	59 Imaga collecting means for collecting image de-
stond in the principal image position manage-		such as the operation terra, user 10 and truge ID to	The system or apparatus reads the programs from the	to designated by the print order in accordance
412 of the first embodiment described with		the document eupplier 401.	storage medium and operates in a predetamined men-	with the print order and the position information
Fire 12 Annot 128. As the kneptro location.		108651 Fig. 54 is allow chart flustrating the odit image	not.	managed by each managing meane, when the
me of the original image file stored at Step		supply process to be executed by the document supplier	[0678] The object of the invention can be achieved by	
so volume name and path name of a ramov-	3	401 recaived the above-described information. The edit	expositing the system or apparatus with a storage madi-	AS DESCRIPTION OF THE PERSON O
re alored.		rnage supply process to be executed by the document	um stoding program occlas of software totalzing the em-	print matricing mount for transmiting the an-
betole Cl agami ban di yasu art 70038 gets		supplier 401 will be described with reference to Fig. 54.	bodiment functions and making a computer (or CPU or	age data collected by said image collecting
Stage \$5300 and \$5303, the user ID of a user		Step 55401 a code (herefrafter celled an	MPU) of the system or apparatus read and execute the	maans and a print request basing upon the print.
		,		
		•		

A center server according to claim 1, further com-			
enter server according to claim 1, further com-	prising print progress maneging means for manag-	aga data;	and a residence of any other transfer of the same
to image position determining manner for date.	ing programs status of the print order received from	adding means for acquiring mage data difeig-	28. A provi controller accountly to court 23, without
	the notemal amendate wheeling sold orbit Instruct-	nated by the print order from the keeping local-	Which the entire or requested the second for heavy
	the season transmits the solet requisit to the refer	tion in accondance with the print order and the	apparatus to said transmission/reception means.
ng the respired received whole 4 to the party of	bearing a state of the second contract of the	confident information managed by said manage.	the requested image data is experied in accordance
for the print order received from the external appar-	Controller in tappared to the part of the controller	side sector between and collect and accounted	with the contien information managed by said im-
ratus is stored, in accordance with the position th-	by dain print programs marriaging materia, it as being		and managed man and and transmissioning
formation managed by said managing means.	of the image data designated by the pirit order are		the same of the sa
wherein said impar polientes manna collects the	collected by said image collecting means.	A SAME SAME SAME SAME	and the second of the second o
10 perimotel material president from the month and		_	to the external opposition.
	the above as a constitution to claim 10 wheeling and	cuput means for outputting the print data self-	
by each made postical determining means.	The second secon	ad and constraint by said selffing meets.	29. A print controller according to claim 25, further corr-
	our months and bulleting made of this		policies moister mases for secietarion the Inten de-
A center earwer eccording to citim 2, wherein eaid	progress etahs of the print order for which the print		The state of the s
mone coallies delambin manne salaria the	prepared was transmitted by said ories instructing		
and the same of th		and edition-nears adds and penetries the print the 12	35 the magn data is registered by sold register mass.
	HIGGS 18.	to in accordance with image data received locatifier	asganam bra sarote ensem preparam egemi blee
there are a plumity of keeping locations storing a		the second formation of the second se	the costion information of the kending location of
uama Imaga.	 A center server according to claim 10, wherein said 	Commence and the commence of t	the investment and investment of the state of the
	print progress managing means updates the	and a desired and a second	THE REAL PROPERTY AND ADDRESS OF THE PERSON AD
and it makes to consider to obline to wherein it the	personnes attitute of the port order for which printing		
Commission of the Person and the Assessment Part and	was serviced upon mention of a print comple-	21. Apriet controller according to claim 19, wherehills to	
	the action from the color controller	ecotion information managed by said image man-	mation and the image identification information to
raid image position optometry maters is an exist.	DOMESTICAL DESCRIPTION OF THE PARTY OF THE P	solve magnet is a storage in the critical-	the external separatus.
		(toller)	
_	13. A center server according to claim 10, lutther com-	name.	and a soft control of a constant of a faithful com-
the external frame strong and collects an image	origing correcting meens for changing/dalkting the		į
The state of the late of the state of the st	the second he said be said select managed by and the said	22. A print controller according to claim 19, further com-	
	The state of the s	pointing of anger proportion who will be a selected	and image data from first image data registered in
in response to the image request.	During programme against a second sec	of the section of the sector product from the	the streams, the second frame data having a lower
	quest from the external apparatus.	The second second second second	Piet class the fact many days and and account.
A center server according to claim 1, wherein said		oxitimas apparativa.	CONTROL OF THE PARTY WAS ASSESSED.
	14. A contact assess according to claim 10. further com-		
1	adelian commercial mesons for changing the parameter		30 and image data genestrod by said image general.
tomblion par one set of the smage occur.	the state of the same of the s	preparate abstract of the print order managed by said	ing means, the position information of the first im-
	White or the birst more manager of some birst	folia tend de actualment contracto contracto actualment contractor	and other and the image identification information
A center agree according to claim 1, wherein the	pregross managing matha to print controval time-		inclusion a personned appropriate first say
position information managed by said managing	coved" in response to a request from the print con-	BEETEN BEETEN OF THE CONFIDENCE BEETEN	and and a data to the arterial account
means is problem information of an apparatus which	troller.		
n			
	16. A never eason according to thirm 1, wherein said	prising order returning means for changing the	31. A print controllal according to calam 20, wherean
	the A contain which account to the containing to	commany at the print alandor state or the print	said image managing meane updates the position
 A center sarver according to claim 1, further com- 	peral matracting mataria and said print controller are	all a state and a second and a second and a second	information when the keeping position of the man-
.04	connected asynchronously, and said print triatruct-	Completion service to all unincernal services	The state of the s
•	ing means transmits the print request to the print.	nas to an instruc-	eged mags data is changed.
the name of same day and a name and an	controller when any order instruction manna is con-	tion feers the automal apparatus	9
	and and the said applicates		32. A print controller according to claim 24, whetein
from the external apparatus; and	rector to the partition of the same	25. A adopt controller according to claim 19, further com-	gajd image managing means deletes the position
analyzing masse for analyzing the print order		The second secon	interesting when the managed image data is dain.
coonwell by said receving means.	18. A center earwar according to claim 15, wherein the	and the state of t	
wherein eart impre collector mesos collects	print controller corresponds to a print shop having		
the factor of the secondaries with an analysis of	on image position apparatus and an irrapa pointing		this and the institute image data with period to the
	manufacture and commercial to the internet	the external apparatus are corrected asynchro-	external apparativa.
door of solo still this more to		Nenou	
	the same of the sa		33. A method of collecting an image in response to a
	T. A CREW BOLLE SECOND TO CHEST 1, MINOR SECOND TO	29. A next controller seconding to claim 25, wherein	print order, comprising:
	THE PROPERTY OF THE PROPERTY O		2
mage deta raceived from the external apparatus in 50	tion for identifying the image cats and east intome-		emoting and menaged position information
image storing means, wherein said managing	tran for exiting the image deta.	MERCAL SUPPLIES OF THE PROPERTY OF THE PARTY	the behavior bearing bearing and the present the prese
means manages new position information of the im-		also a subject of management of management of the same	an maga projection at no feel left to maga the
gos data registered by each mage registering	A contar aanvar according to claim 17, wherein the	27. A peril controller according to claim 23, wherein	to deal makes the the sales order in accordance
MANUE	print request is written in an XML formal		
38			Ann the print order and the managed position
high state to a sold of a distance and a second	19 A nitra nortenilar compilation	mile identification information for identifying the	information managed, when the print order is
Office party account to count it, whose party		print order for which printing was completed, to the	received from an externel apparatus, and
managing meens options are position around and and	contraction and an annual for an annual property of	external apparatus, when said insterniselar/recep-	a print instructing step of transmitting the image
the man of the month of the party of the par			

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artomal apparatus, the requested image data is ec- quired in accordance with the position information managed at eald Image menaging stap, and said	transmission/neception also transmits the exquired image date to the enternal apparatus.	61. A puni controllegi metroda accodeng to caum 5 r, rou- ther comprising a registrar easy of registrating the Im- na age data in a storage of the print controller, wherein when the Image data, is registered at abid register.		f that diving take and statisticities investigations to the also transmit the enviry legislated position for terminism and the image identification information to the external opportation.	46 62. Aparticulating-mailbod accoording to claim 61 kin- that comprising an image partializing size of glorier- eith account image size is from that image also imp- ailation or has ranging, this according that that- is go legiest equalities in that thing data, who size add images account that the that image data. 45	the second maps dain generated at sold image generating means, the position information of the first image data, and the image identification labor mallon indicating a correspondence between the first and second mage data, to the external supportation.	A plint controlling mathed assortions to oldinin \$2, whaten said image managing area updates in speaking information when the seeping position of the managed image status is charged. A4. A neal controlling memoral according to claim \$6.	where part mage managing step desides the po- se set in internitive whether managed hape data is desired, and east internet managed mage data is desired, and east internet managed may be transmit a earlier that he image data was clasted to he external expensive.	65. A 800 800 800	to designate by the print order in accontance with this print order in accontance with this print order and the managed position information managed, when the print order is accounted to the print order is accounted from the print order is accounted from an action of the print order is	forcewho at many as asserting application, as print instructing along distances and strange collecting why and a print request beating upon the print order to a print contact the second of the print order to a print contact the second of the print order to a print contaction.
position information managed at wid manag- ing stp, and eding the acquired image data to generate print data in accordance with the	prisocitir, when the prisocitie is received from a an external apparator; and an output when of outputing the print date activate	and generated at each editing mosths. 62. A print controlling method seconding to claim 51, 16 where and editing in also and generaties the where and editing in also and generaties the		52. A print controlling method according to claim 51. whenth he position information managed at said many mengang stap at a path of a skotage in the men nontrader.			64. A periotorion females described pice habit 1, for the competition of the competition	Application of the processing of the first transmission of the processing of the first transmission trips of the transmission trips of the transmission processing above for control of the process, who who is not processing to the transmission of the process, who who is not processing the transmission of the transmission			the privided the which printing was completed, to the estimated to this actional apparation. convected to this actional apparation. 80. A paint controlling method according to claim 57,
S print progress manages usp or manages progress status of the print order received from the external apparatus, wherein said print featuring	ing travelina in a prin inques to the particular consideration of its ages of the frage data designated by the particular are collected at said image collecting.	A method according to claim 42, wherein said print progress mirraging along publics the progress state. At the many reduction which the mind research was	two-mithad at eald print maturating step. A method according to claim 42, wherein said print	prograza rzangźng tinto updates the prograza sta- tas of the parts coder for which printing was compile: all, upon reception of a print compilation redice from the print controller.	A marked according to elaim 42, further comprihing a correcting test of chargographisms against of in partie and parties as a correcting test of the parties are managed at lead print against managing they histograne the allowance to a request from the actional expenditure.	A related securing to beam \$2. A facility considerable a conversion step of choosing the progress selected are performed respect as sted distinguishment or the performance of the performance of the performance admit sing to "thirt controlled unmarked" in ap- species to a request from the print controller.	A cancellad control go relating A travelle lead print, text reciting maps appropriet country for many control go control	48. A marked according to claim 47, wherein the print controlls required to be and with playing in the tips a being apparatus and an integer paramagness applies faces and constrained to the according applies.	A mission accounting to team as weeke to print requised includes we have desired to where the print requised includes we have desired and of information for welling their through data. So A method descorbing to claim 45, whereon the print A A method descorbing to claim 45, whereon the print	In XML format. phod compiding:	no image moneging state of managing position manuals in victoring a knopping bosolton of im- age class: The state of securities and destiga- nated by the critical refers the baseling boso- nated by the critical refers in the baseling boso-
prograss status of the external apparatus, w	s in, if all sets of the print order are colle else.	43. A method according	transmitted at eald		46. Amethod according to claim a cometing step of charinging satus of the print order m progress managing step in 1 from the axionnal appendua.	\$	47, A method associating buttucting step asyn collector controlled to 48 troller, and said print print request to the collector is connected	48. A method according to claim 47, with controller corresponds to a print shop age editing apparatus and an image ages editing apparatus and an image return and an image return and an image return and an image and complete to the feature of a print of	49, A minimo acconomy to ca request includes at least it for editing the image data. 50, A method according to dis	to request is written in an XML format. 51. A print controlling method computating.	an image men hitomation ind age data: an editing eleg mated by the o

		document procurent apparatus	on date file has en 86. A date transmission method according to claim 80.	wherein the data transmission method is a method	of deta transfer of a centar server fer collecting the		2					2	ue via a network. enternal apparatus.		67, A Cata transmission memos accoung to carminal	8	4				**	,				30 88		temal apparatus. 81 controlling data transfer of a print earwer for re-		×				-	etsp of generating 40 neceived, to the external apparatus.	Appropriate of the date of the second policy and the second policy of the date	É		*	,		a received control for the salested outst order to			•	ž				2		with the information set at said reception achedule	profine to claim 80. setting stap.
external apparatue is automatically selected in se- cordence with the information set by said recaption	schedule setting means	of management advantage and an effect of	com 67, wherein the transferon data file has an	Statt formel		78. An information processing apparatus according to	cisin 67, wherein ead transmission/acaption con-	tiolimens athatas savice activate in accordance	with contents of the received transmission data file.		80. A date transmission method for an information	processing apparetus for data transmission/recap-	then to find authority and authority and an analysisting	Supplement		a eleração do servição do servição destructuados de servição de se	Heard a details in a storings of the information	processing apparatus, and	or total and	and the restrict the case of the control of the case o	and the contract of the contra	CONCENTRATION OF THE LIBRARY	A date fransmission mather recording to claim 90	wherein the transmission data fils includes 1780s-	to mission/receiped identification information to	identifying the information processing apparatus	and the external apparatus and order information	for confoling an order of the external apparatus.	If mistored and process by the process of the party of th	Office in the contract of the	information for identifying the data file used by the	order		83. A data transmission method eccording to claim 80,	further comprising a generating stap of generating	transmission/leading confidence and transmission fair don-	men an in contract construction of the contract	tio in accordance with the datherniseon cale ine	Whitein and description with the first the fir	CONTROL OF THE CONTRO	ance with the generated transmission to property	COURCE MINISTERIES.		84. A data litangmission memora according to custon 63,	wherein the transmission receiption control informa-	tion includes transmission competition intollination	negregative of a transmission compatible of the	data file, and said transmission/reception control	easp controls the data transmission of the	data file for which the transmission completion in-	formation is still not transmitted		86. A deta sumeriation method according to claim 80.
completion information is still not transmitted.	72. An information processing apparatus according to		a facts to applied to a syloam in which the automost	Comments of the case of the ca		•	10 73 An information processing apparatus appointing to	civim 67 wherein the information processing good-	must be a carrier as wer for collecting the data the of	an image and making the external apparatus print	the data life in eccordance with the print request. a	transmission method responding to the pilot ra-		esynchronous, and a transmission method for the	externol apparatus in a positive transmission path		fo nal apparatus.		74. An Information processing applicative according to	claim 67, wherein the information processing appa-		86 on trage and making the ordernal apparatus print	the data file in accordance with the prox request.	and said instantation/reception control mostles	CONTON TO DESCRIPTION OF ANY OF PRINT OF SHARE TO WAS OVER	the and the date the commenceding to a print pather			75. An information proposating apparative according to	cauth 67, while an intermedian processing appara		from the external apparatus and generating print	data in accordance with the transmission data file	and the data fle, and said transmission/reception	40 ecentral means controls to receive a list of print or-	ders from the externel apparatus and transmits o	request for a print order to be received, to live ax-	ferral apparatus.		46 78. An information prodessing apparatus according to	claim 75, further comprising selection means for	displaying the print order to be received on a display	means in accordance with the list of print orders and		50 said transmission/racaption control means controls	to transmit a reception request for the selected print	order to the external apparatus.		77. An Information processive apparatus according to	66 Halm 26 further comerleting recognition achadule ast-		the selection of selection wherein the original	
 A machine-readable storage medium storing a print sentral program. the program comprehend. 			riformation indicating a kooping location of tim-	and the same	an editing stop of ocquiring maye use occur	hand by one party cross most one weeping start			to percent oder date in accordance with the	the order is provided from		2 believe of outputting the print data added			87. An miormation processing apparatus for deta trans-	mission/racaption to/from an external apparatus vin			stonga magna för etaring a transmission deta				data the tofrom the external apparatus in so-	cordance with the transmission data file.		An information processing apparatus according to		matter for identifying the information processing	apparatus and the external apparatus and order in-	formation for controlling an order of the external ap-		of enforcemental and an analysis and an analysis as	citizen 64. wherein the order information includes	identification information for identifying the date file			An information processing apparatus according to	claim 67, further comprising generating masns for			of the data lile in accordance with the transmission	data file, wherein eard transmission/recopilish con-	trollmanns controls the data transmission/recopilion	in accordance with the generated transmissionite-			An information processing appenditus according to	claim 70, wherein the transmission/aception con-	not information includes transmission completion			The late of the la	CONTROL MEGNES CONTROL UNE CALLE HERITAGE CONTROL CONT

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caim 105, further comprising a requesting stop of transmitting a transmission request for the imaga data to an externel apparatus, wherein it is nec-	ossany to ocytic this hinge data for the ordering range storing appearate, and respecting stop transmite the transmission request to the orderinal image accords appearate identified at each dentifi- ties also.	112.An image position managing method according to claim 111. Durbar comprising an acquiring also scutting the image data from the activities proposes.	tas in response to the transmission request for the image duta functional of a test forquesting step. Wherein audi exegiting step sequines the image do- ts whose keeping location is blantified by the exter-	read appearers by varieg this species proteinstand readings by an insign elongs of the external ap- powha. (13.4o image position managing method occording to classification and agreement of the control of instanton and image from a classification and instanton a next image from a classification and instanton a next image from a classification and instanton and image from a classification and instanton and image from a classification.	significación a per interior o un mayo incorpo. Verentalos es tuna especia per esta considera el conseguir de la companya que per managar los securios de la companya del companya de la companya de la companya del companya de la companya del companya del companya de la companya del companya del companya de la companya del	14 (5.4) image position introducing involved to clean (3.6), where he involved to clean (3.6), where he involved to position in which image does not consider the sequential or plants on presents any plant described to the plant of the plants of the		thermatics is alterage, and an ideal articles are an idealitying step of benetifying the transparage to passive activities and passive activities and appearation in accordance with the ape- diffic information scoold in the sponge.
the pain request tensmitted from a document processing apparatus.	105. An image position manuscipti quantico (Me ni hido- manico processato apparatas for managing a posi- ficio of an image. On apparata betto appable of committeation (Me na paratico hieroga activitie) construent via e newbort. El hi mathicol comoditivo			office felomation stocks in the stocking of the felomation of the				at a more succes or copy source and listingle the integration to the image data to the image source or copy surget. The more larget or a copy singet. The image position managing mafford succeding to
954								
98. An information processing apparatus according to calm 97, whentil the position update information includes registration information indicating that im-		99. An information processing apparation accounting to calent 94, buther compating themselv controlling maser for controlling, when the image data is moved or copied from the attential facility excepts moved or copied from the attential facility excepts moved to copied from the attential facility excepts and the companies of the companies of the control of the companies o	appacition to describe image to describe a sequence, we search the service of the form the finishe secure approach to paratus at a more source or a copy source and or transfer the finish per transfer the finish per transfer the finish per transfer the finish described or a copy stories and copy and at a more broat or a copy stories.	100. An information processing apparatus according to claim 04, further comparing groupsing means for severating of internations requisited for this impartial to a communication consisted for the impartial to a communication consistent at it in more assay to acquire the far impartial contraction.	In the series appearing to the entire of the series of the	14 Three glassics all yet along the appeals beformation movemed by the integral or the security of the securit	4. (1) An information processing inpostules according to count 12). (Linker, convolved integer from these grounding and the special or many special or and the processing of the special or the external repostulate of the special or th	194.A1 pricontain processing apparation according to claim A4 wherefor the referred for processing appara- ration is applied to a system in which image data measure a print referred is according from a plansi- ny of images existing apparationate in according and

FIG. 1

FIG. 2

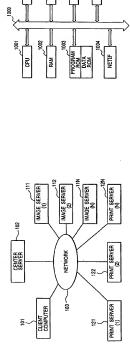
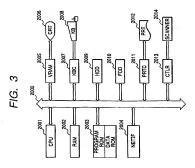
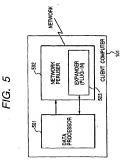


FIG. 4





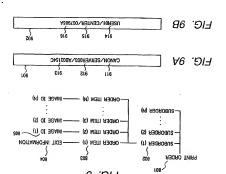
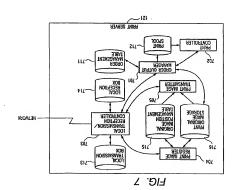


FIG. 8



-	E: ¥ shop ¥ image45.fpx	9SMRSU	CANON/1501/1998ABC007	
-	C: A psux A jusda13:jbb	-	CV//CV/1201\1938ABC004	
-	C: ★ psux ★ image12.jpg	ESTREU	CANON PS01 / 1998ABC001	82
NOTTAMROTH	KEEPING LOCATION	OMMER	OI 35AMI	go,
1204	1203	1202	1051	
	IBI 33841 TABLE [B]	M NOTTISO	ORIGINAL IMAGE F	

EIG.

FIG; 12A

	NANOTTIGGA	NOTE OF CHICAGO	1202	LOZI
	NOITAMPORNI	KEEPING LOCATION	OWNER	OI 30AMI
1121	-	IOSI	USR123	CANON/PS01/1998ABC001
~1515		Edi. tegemi ¥ looqs ¥:∃	-	CANON/1503/1998/BC002
~1513		1205	-	CANON/1503/1998ABC003
71514		7029	-	CANON/1503/1998ABC603

DRIGINAL IMAGE POSITION MANAGEMENT TABLE [A]

300	100SI
500	PS002
100	100Sd
YTIROIRS	SERVER ID

FIG. 11

~514	COLLECTED	CANON/PS5/199801050027	1000	USR1/PC1/0002
~513	BEING COLLECTED.	CANON/PS5/199801010758	1000	USR1/PC1/0002
~515	BEING COLLECTED -	-	1000	USR1/PC1/0002
115~	BEING COLLECTED	-	-	USR1/PC1/0002
	SUTATE	IMAGE ID	SUBORDER ID	ORDER ID
	50¢	503	502	201

FIG. 13



1301

CYTRINS GEG ID. CANDIA/PSSII/0168170559 OPE="NEW CUST-USR086599"> CANLINK HREF- //mag776596 kg/> </PEG >
<AREG ID= "CANON/PSG4/A4684000001" OPE="DE1" CUST="USR986899"> -AREPORT ID="USP887761/CENTER/2007" STATUS=FINISH"/> CANA CITY OF CONTROL THE 12.75.71937 10.55.25.517.7 GEGENER ID= "TSAT THE="12.75.71937 10.55.25.517.7 GEGENER ID= "TSAT INE" 12.75.71937 10.55.25.517.7 GEGENER ID= "TSAT INE" 12.75.71937 10.55.25.517.7 GEGENER ID= "TSAT INE" 12.75.71937 10.55.25.517.7 GEGNER ID= "TSAT INE" 12.75.7 GEGNER ID= "TSAT INE" 12.75 </PEG>
</PEG>
</PEG>
</PEG>
</PEG>
</PEG>

<CAMILINK HREF = '\inage56446cipg'>> 1316 1318 1315 1317

1302

FIG. 14

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5

DOCUMENT

SCRIPT (PDL)

imagetab("CANON/PS02/19980403A899", "/train. jpg"); imagetab("CANON/PS02/19980402BC66", "/ship. jpg"); #document 0 0 297 210 #fpage 1

image(50, 5, ("CANON/PS02/19980402BC66", 1, ((1,0))); image(5, 5, ("CANON/PS02/19980403A899", 1, ((1,0)));

#jpage #jdocument

40,

FIG. 15

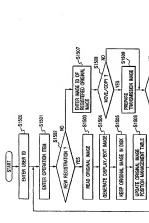
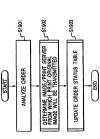


FIG. 16



FIG. 19



PREPARE TO DELETE S1511

-S1512

UNPROCESSED DATA ?

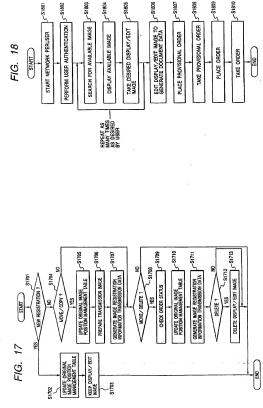
S

GENERATE IMAGE REGISTRATION INFORMATION TRANSMISSION DATA

1 S1514

GENERATE TRANSMISSION DATA FILE AND KEEP IT IN LOCAL TRANSMISSION BOX

MOVE / DELETE Æ



S1809

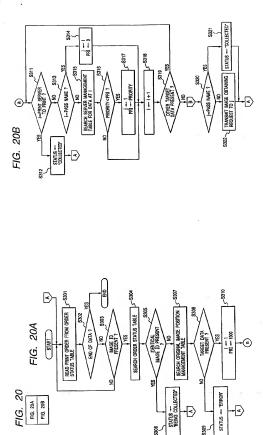
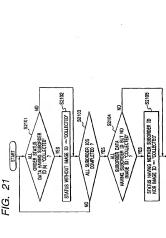


FIG. 22 START



GENERATE ORIGINAL IMAGE S2203 TRANSMISSION DATA

SEARCH ORIGINAL IMAGE POSITION MANAGEMENT TABLE

ANALYZE TRANSMISSION DATA S2201



S2108

START ORDER PROGRESS MANAGER

S2106

WRITE ORDER STATUS DATA OF RAM TO ORDER STATUS TABLE

FIG. 23



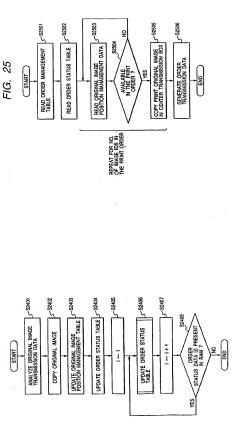


FIG. 26

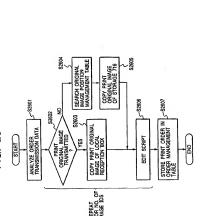


FIG. 27

START

OISPLAY ALL ONGER IDS

SERIE

STORE ORDER ID IN RAM

SERIE

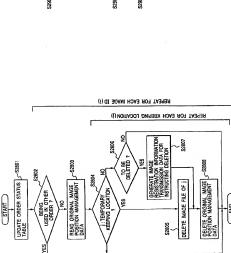
SER

E.

F



FIG. 28



COPY ORIGINAL IMAGE FILE OF RAM IN STORAGE 716

FIG. 29

ANALYZE IMAGE REGISTRATION INFORMATION TRANSMISSION DATA 9

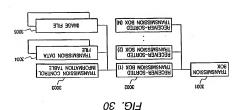
COPY/MOVE ?

TE ORIGINAL INAGE
TO MANAGEMENT
TO MANAGEMENT
TO MANAGEMENT
MANGE POSITION
MANAGEMENT DATA
MANAGEMENT DATA

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FIG. 32

FILE HAME

SOST

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FIG. 33

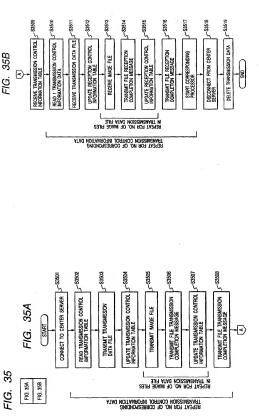
PROCESSOR STARTING METHOD	MOISSIMSMART SMAN DAT ATAO
5	5
3302	3301
	PROCESSOR

REPEAT FOR NO.

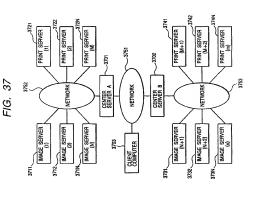
STORE IMAGE FILE

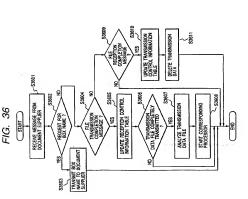
STORE TRANSMISSION DATA FILE

UPDATE TRANSMISSION CONTROL INFORMATION TABLE









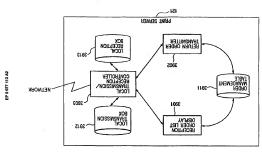
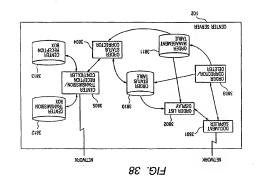


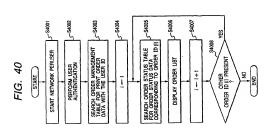
FIG. 39

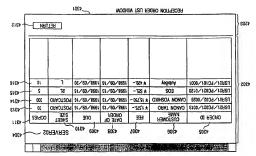




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	1		1	l				
		+						
8119 01	. 1	1888/09/50	91/60/8661	# 150°-	SERVERCE	COLLECTED BEING	USP01/PC001/0015	1
1110 5	31	Z1/60/9561	\$1/60/8661	-'525 A	SERVEROI	COLLECTED	USR01/PC001/0014	20
9110	POSTCARD	91/60/9561	1998/09/13	272,1 ¥	SERVEROZ	PRINTED	E100\10004\10R2U	
9110	MDE	1998/09/12	01/60/8661	021,E ¥	SERVEROI	CETWIRY	USR01 / PC:001 / 10R2U	
SEI	SHEET SIZE CO	300	DATE OF ORDER	331	TUTINO	SUTATE	ONDER ID	
SIIS	, iiip	0115	6015	8014	2017	0014 0014	Login: CANON TA	
							4 3200	1

FIG. 41





EIC. 43

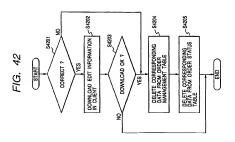


FIG. 46

FIG. 44

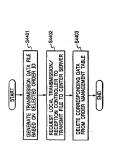


FIG. 45





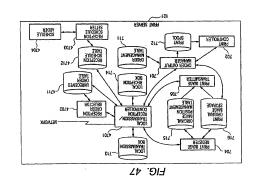








WRITE CORRECTED ORDER STATUS DATA IN ORDER STATUS TABLE



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